

AMENDMENTS

In the Claims

Please add the following new claims:

- 34. (New) A method of potentiating the response of a tumor cell comprising:
- (a) contacting said cell with an adenovirus free of an exogenous therapeutic gene; and
 - (b) exposing said cell to ionizing radiation.

35. (New) The method according to claim 34, wherein the tumor cell is a human tumor cell.

36. (New) The method according to claim 35, wherein the human tumor cell is a brain cancer cell.

37. (New) The method according to claim 35, wherein the human tumor cell is a breast cancer cell.

38. (New) The method according to claim 34, wherein the cell is located within an animal, and the adenovirus is administered to the animal in a pharmaceutically acceptable form.

39. (New) The method according to claim 34, wherein the tumor is exposed to X-irradiation, γ -irradiation, or β -irradiation.

40. (New) A method of inhibiting growth of a tumor *in vivo* comprising delivering to said tumor, in combination, an adenovirus lacking an exogenous therapeutic gene and ionizing radiation, wherein said combination is sufficient to inhibit the growth of said tumor.

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41. (New) A method of enhancing the effectiveness of ionizing radiotherapy comprising administering to a tumor site in a mammal (i) a pharmaceutical composition comprising a adenovirus lacking an exogenous therapeutic gene and (ii) ionizing radiation, wherein the combination of adenovirus infection and radiation is more effective than ionizing radiation alone.

42. (New) The method according to claim 41, wherein the administering is by means of an intravenous injection of from about 10^8 to about 10^{11} adenovirus particles.

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43. (New) The method according to claim 41, wherein the tumor is exposed to X-irradiation, γ -irradiation, or β -irradiation.

44. (New) The method according to claim 41, wherein the tumor is brain or breast tumor.

45. (New) The method according to claim 41, wherein the mammal is a human.

46. (New) A method of killing a tumor cell comprising the steps of:
- a) contacting said tumor cell with an adenovirus lacking an exogenous therapeutic gene; and
 - b) exposing said cell to a dose of ionizing radiation sufficient to kill said cell in conjunction with said adenovirus.

47. (New) The method according to claim 46, wherein said delivering comprises injecting into a tumor site a pharmaceutical composition comprising said adenovirus.

48. (New) The method according to claim 46, wherein the tumor is exposed to X-irradiation, γ -irradiation, or β -irradiation.

49. (New) The method according to claim 46, wherein the tumor is a brain tumor or a breast tumor.

50. (New) The method according to claim 46, wherein the administering is by means of an intravenous injection of from about 10^8 to about 10^{11} adenovirus particles. --